

Monitoring Data Record

Project Title: Martin Site (B-3045 WM) COE Action ID: 200632527285

Stream Name: Little Peters Creek DWQ Number: 06-869

City, County and other Location Information: The mitigation area is located approx. 0.5 mile east of the intersection of Creasy Road and NC 704 in Stokes County.

Date Construction Completed: June 20, 2007, Streambank Reforestation Completed 2-28-08

Monitoring Year: (4) of 5

Ecoregion: _____ 8 digit HUC unit 03010103

USGS Quad Name and Coordinates: _____

Rosgen Classification: _____

Length of Project: 750' Urban or Rural: Rural Watershed Size: _____

Monitoring DATA collected by: M. Green and J. Young Date: 1/31/11

Applicant Information:

Name: NCDOT Roadside Environmental

Address: 1425 Rock Quarry Rd. Raleigh, NC 27610

Telephone Number: 919-861-3772 Email address: mlgreen@ncdot.gov

Consultant Information:

Name: _____

Address: _____

Telephone Number: _____ Email address: _____

Project Status: _____

Monitoring Level required by COE and DWQ (404 permit/ 401 Cert.): Level 1

Permit States: The permittee shall perform the following components of Level I monitoring each year for the 5-year monitoring period: Reference photos; plant survival (i.e. identify specific problem areas (missing, stressed, damaged or dead plantings), estimated causes, and proposed/required remedial action); visual inspection of channel stability. Physical measurements of channel stability/morphology will not be required. The permittee shall submit the monitoring reports to the USACE, Raleigh Regulatory Field Office Project Manager, within sixty days after completing the monitoring. If less than two bankfull events occur during the first 5 years, the permittee shall continue monitoring until the second bankfull event is documented. The bankfull events must occur during separate monitoring years. In the event that the required bankfull events do not occur during the five-year monitoring period, the USACE, in consultation with the resource agencies, may determine that further monitoring is not required. It is suggested that all bankfull occurrences be monitored and reported through the required monitoring period. The permittee shall perform and submit photo documentation twice each year (summer and winter) for the 5-year monitoring period, and for any subsequently required monitoring period.

Section 1. PHOTO REFERENCE SITES

(Monitoring at all levels must complete this section)

Total number of reference photo locations at this site: 4 photo points were set with 2 photos taken at each photo point except photo point #4 which only has 1 photo looking upstream.

Dates reference photos have been taken at this site: 2/28/08, 5/28/08, 1/13/09, 6/23/09, 3/9/10, 7/12/10, 1/31/11

Individual from whom additional photos can be obtained (name, address, phone): _____

Other Information relative to site photo reference: A site map with photo point locations is attached with this report.

If required to complete Level 3 monitoring only stop here; otherwise, complete section 2.

Section 2. PLANT SURVIVAL

Attach plan sheet indicating reference photos.

Identify specific problem areas (missing, stressed, damaged or dead plantings):

Estimated causes, and proposed/required remedial action: _____

ADDITIONAL COMMENTS: Planted vegetation is surviving. Live staking and bareroot planting was completed on 2/28/08. The site was live staked with Black Willow and Silky Dogwood. The site was also planted with bareroot seedlings which consisted of Black Walnut, Cherrybark Oak, Northern Red Oak, River Birch, Willow Oak, Sycamore, and Green Ash. Other vegetation noted on site consisted of *Juncus* sp., alder, horse-nettle, privet, sedge, goldenrod, cattails, clover, and various grasses. Privet noted onsite is minimal and is not affecting the planted species. Remedial action is not warranted at this time.

If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. Physical measurements of channel stability/morphology will not be required. Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

Little Peters Creek stream restoration project is stable for the Year 4 Winter evaluation. A beaver dam was noted downstream of restoration project within NCDOT's conservation easement. USDA will be contacted to remove the beavers and dam. NCDOT will continue to monitor this stream restoration project.

Date Inspected	Station Number	Station Number	Station Number	Station Number	Station Number
Structure Type					
Is water piping through or around structure?					
Head cut or down cut present?					
Bank or scour erosion present?					
Other problems noted?					

Section 4. DEBIT LEDGER

Site name	Site TIP	HUC	River Basin	Division	County	Mitigation Type	Notes	As Built Quantity	Available
Martin Site (Little Peters Crk)	B-3045/B-2639	3010103	Roanoke	9	Stokes				
						Stream Enhancement	Not to be used until agencies accept.	720	720

*Note: Debit Ledger information up to date as of February 21, 2011.

Little Peters Creek



Photo Point #1 (Upstream)



Photo Point #1 (Downstream)



Photo Point #2 (Upstream)



Photo Point #2 (Downstream)



Photo Point #3 (Upstream)



Photo Point #3 (Downstream)

Little Peters Creek



Photo Point # 4 (Upstream)

Year 4 Winter – January 2011

